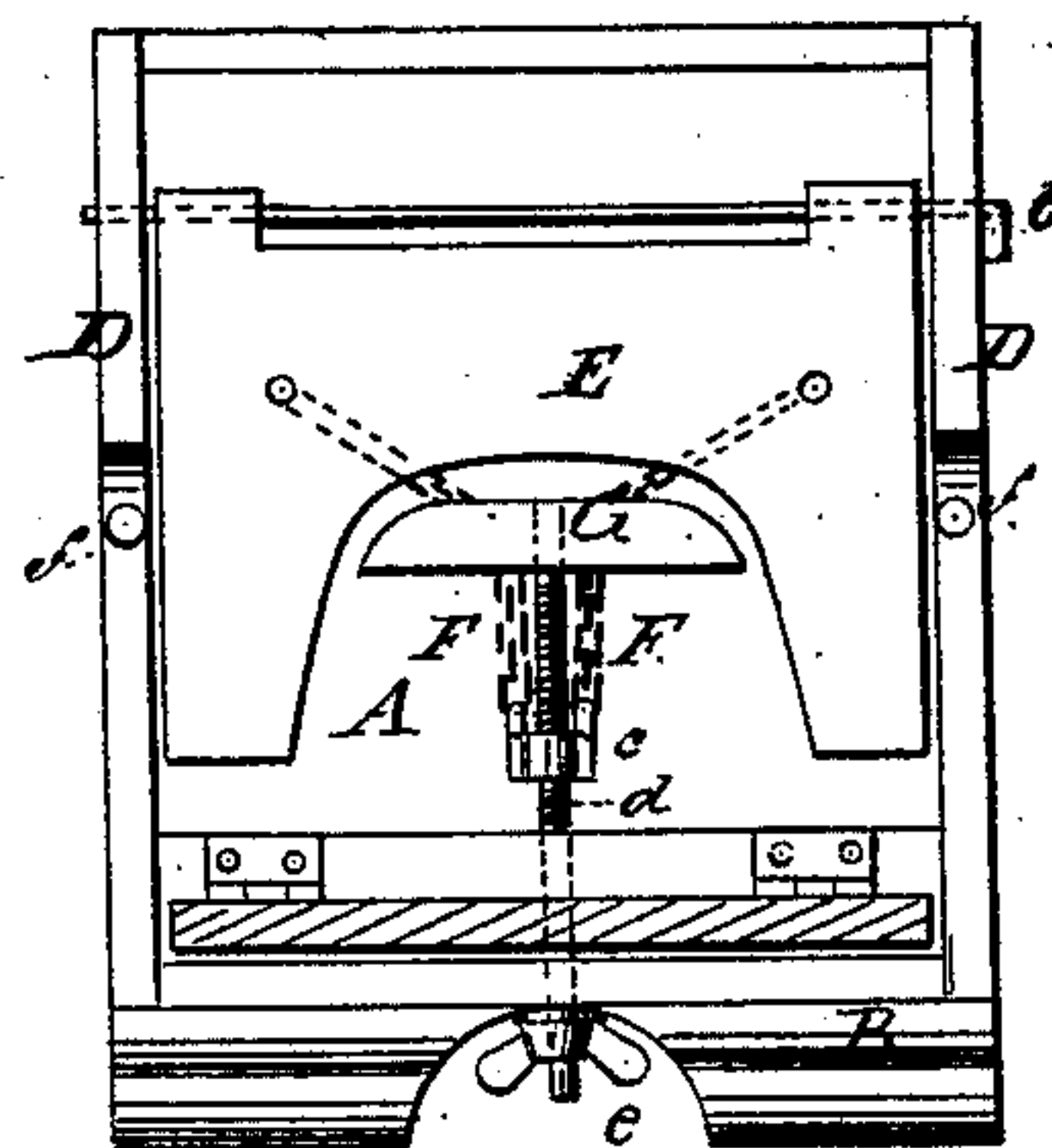
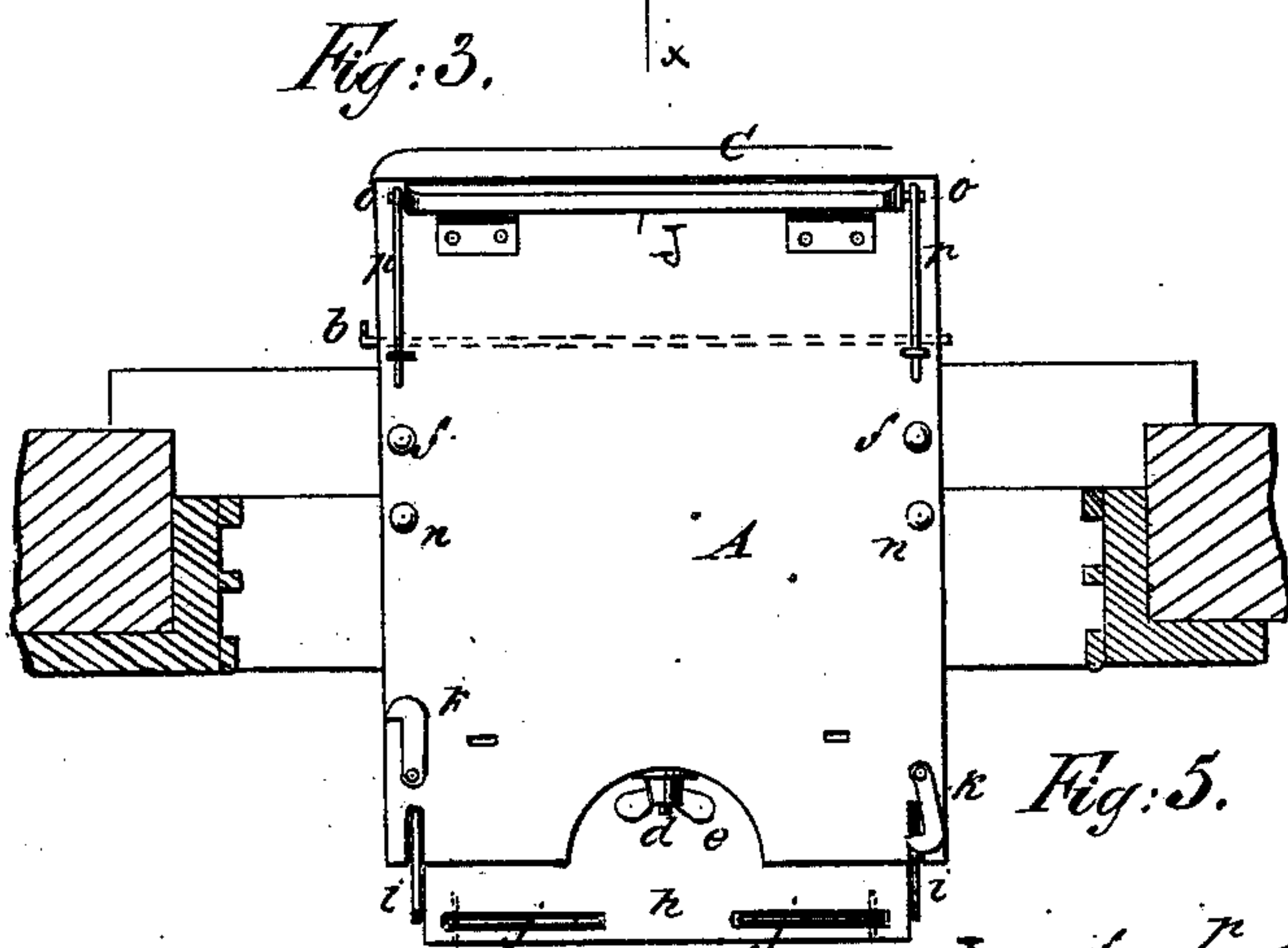
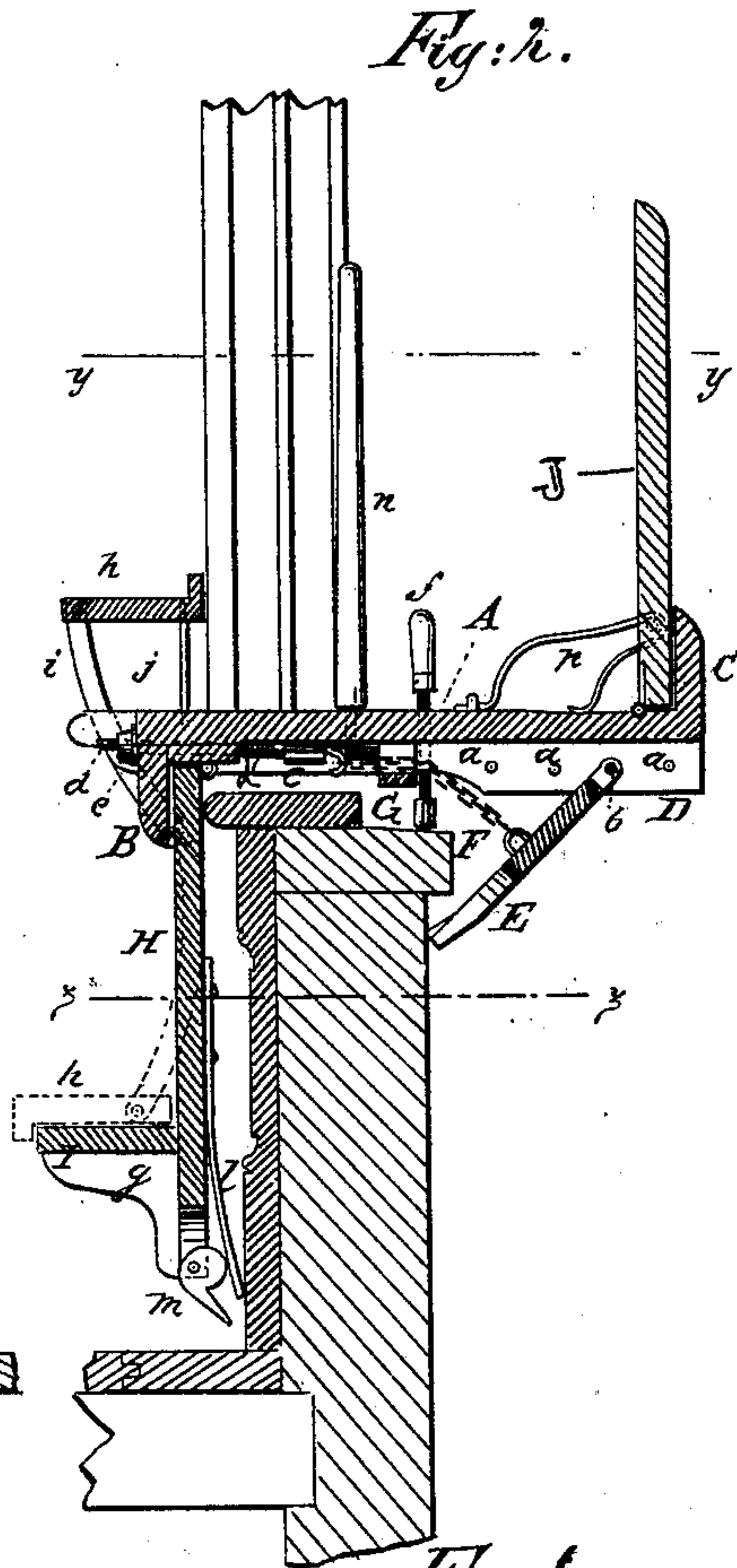
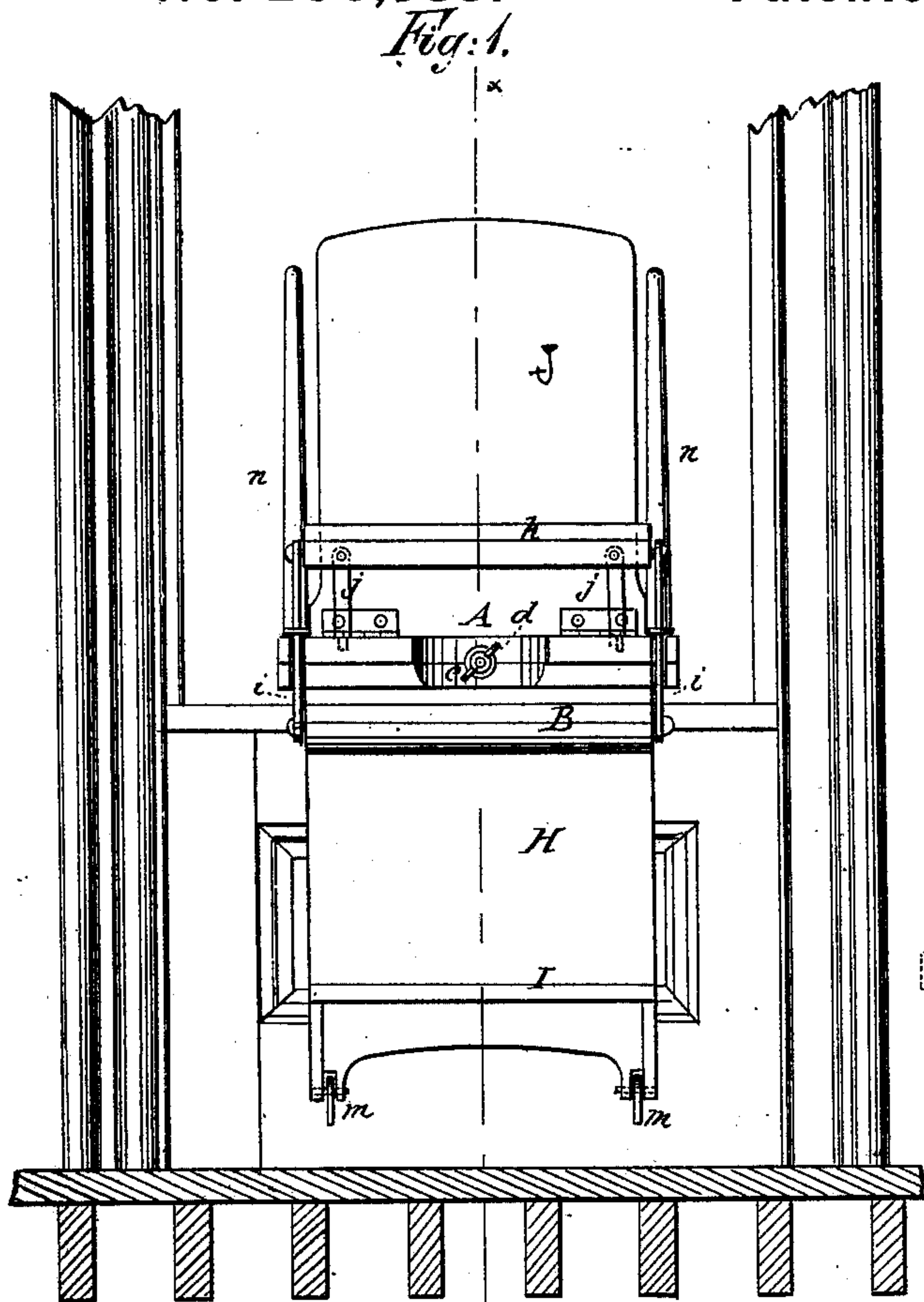


A. DORMITZER.  
Window-Cleaning Step-Chair.

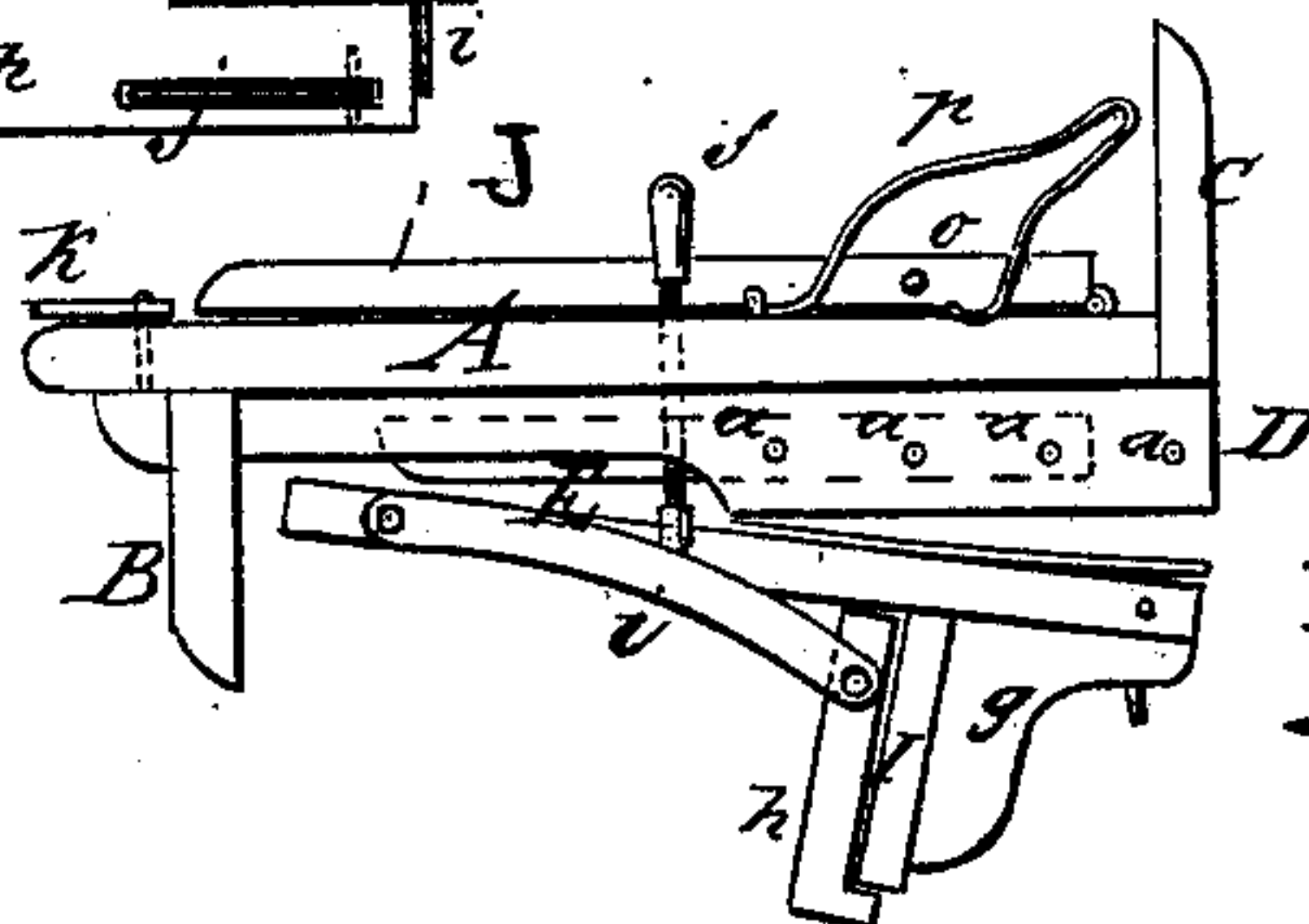
No. 206,935.

Patented Aug. 13, 1878.



WITNESSES:

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*Mumford*

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# UNITED STATES PATENT OFFICE.

ANNA DORMITZER, OF NEW YORK, N. Y.

## IMPROVEMENT IN WINDOW-CLEANING STEP-CHAIRS.

Specification forming part of Letters Patent No. **206,935**, dated August 13, 1878; application filed May 27, 1878.

*To all whom it may concern:*

Be it known that I, ANNA DORMITZER, of New York city, in the county and State of New York, have invented a new and Improved Window-Cleaning Step-Chair, of which the following is a specification:

Figure 1 is a front elevation of my improved window-cleaning step-chair. Fig. 2 is a vertical section taken on line *xx* in Fig. 1. Fig. 3 is a plan view. Fig. 4 is a horizontal section taken on line *yy*, looking upward. Fig. 5 is a side elevation, showing the chair folded.

Similar letters of reference indicate corresponding parts.

The invention will first be described in connection with the drawing, and then pointed out in the claims.

Referring to the drawings, A is a platform of suitable size to stand or sit upon, having at its front edge a narrow board or cleat, B, which is joined to it at right angles and projects downward, and having at its rear edge a similar cleat or board, C, which projects upward at right angles. Two cleats, D, are attached to the under surface of the platform A, one at each side edge. In these cleats there are several holes, *a*, for receiving a rod, *b*, which supports the brace E.

Chains F are attached to the brace E and pass through a block, G, attached to the bottom of the platform, and are received by hooks on the traveling nut *c*, that is placed on the screw *d*, which is journaled in the block G and in the cleat B, and is provided with a winged head, *e*, by which it may be turned. The rod *b*, upon which is placed the brace E, may be inserted in any of the holes *a* to accommodate the device to walls of different thickness.

The platform A is provided with two leveling-screws, *f*, which bear upon the window-sill, and render the platform level and secure. To the under side of the platform A, near the cleat B, is hinged a support, H, which, when unfolded, presses against the cleat B. The window-sill and the wall below the window-sill are clamped between the brace and the support H.

A step, I, is secured to the lower part of the support H by means of brackets *g*, and an auxiliary step, *h*, is connected with the support

H by curved straps *i*, which are pivoted to the edges of the support, and also to the ends of the step.

The auxiliary step *h* is provided with folding legs *j*, and it may be raised above the platform A and supported by the said legs and by the curved straps *i*, which are secured in slots in the end of the platform, and are secured by hooks *k*, that are pivoted to the top of the platform.

The support H is provided with two springs, *l*, one at each side, which are operated by eccentrics *m*, so as to bring them to a bearing on the inner surface of the wall.

The platform A has near each of its side edges an aperture for receiving the screw of the standards *n*, which are designed to be grasped by the hand to steady the person using the window-cleaning chair. To the upper side of the platform, near the outer or back edge and inside of the cleat C, the back or guard J is hinged.

From the edges of the back two pins, *o*, project to engage the detent-springs *p*, that are secured to the platform and hold the back in a vertical position. The detent-springs consist of a wire that is curved and formed into a loop, which receives the pin when the back is raised.

The auxiliary step is designed to afford a means of reaching the upper portion of the window.

When the device is not in use it may be compactly folded together, so that it requires little room for storage.

I am aware that it is not new to make a safety window step-chair with a folding back, brace, and front support, or to use horizontally and vertically adjustable supports or standards in connection with the platform; but

What I claim is—

1. The combination of the auxiliary step *h*, straps *i*, and legs *j* with the support H and platform A, as herein shown and described.

2. The combination of the springs *l* and eccentrics *m* with the support H, as herein shown and described.

ANNA DORMITZER.

Witnesses:

M. A. WATSON,  
GEO. M. HOPKINS.